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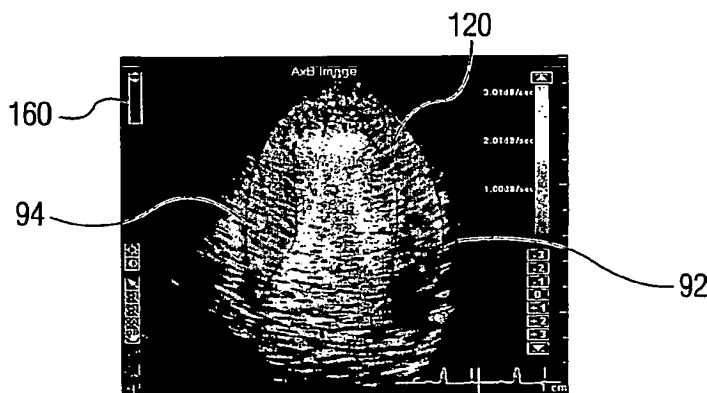
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[Continued on next page]

(54) Title: **ULTRASONIC IMAGING SYSTEM AND METHOD FOR SIMULTANEOUS DISPLAY OF BLOOD FLOW AND PERFUSION PARAMETERS**



(57) Abstract: A method and system are described for displaying an ultrasonic parametric image showing tissue perfusion in registration with an anatomical ultrasonic image of the tissue containing the blood flow. The relative opacities of the parametric image and the anatomical image can be varied, enabling the clinician to view both the perfusion parameters and the blood flow simultaneously or in rapid succession. In an illustrated embodiment the anatomical image or the parametric image can be viewed alone, or in anatomical registration with different or equal opacities. The relative opacity can be changed in a smoothly continuous or stepwise manner.



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